

Title (en)

Structure of steering support beam for vehicle

Title (de)

Ausbildung eines Lenksäulenträgers für ein Fahrzeug

Title (fr)

Structure d'une poutre de support de colonne de direction pour un véhicule

Publication

**EP 0934865 A3 20001011 (EN)**

Application

**EP 99101634 A 19990204**

Priority

JP 2610998 A 19980206

Abstract (en)

[origin: EP0934865A2] A steering support beam structure for supporting a steering shaft of a vehicle comprises a first tubular member transversely extending across the vehicle and connected at both ends thereof with the vehicle and a second tubular member inserted into the first tubular member and connected at both ends thereof with the first tubular member. The first tubular member has a reduced diameter section at both ends thereof and the second tubular member has a enlarged diameter section at both ends thereof. The first tubular member is connected by spot-welding between the inner periphery surface of the reduced diameter section and the outer periphery surface of the enlarged diameter section with the second tubular member, thereby a double walled structure is formed in the steering support beam and a high rigidity can be obtained <IMAGE>

IPC 1-7

**B62D 25/08**; **B62D 1/16**

IPC 8 full level

**B62D 1/16** (2006.01); **B62D 25/08** (2006.01); **B62D 25/14** (2006.01)

CPC (source: EP US)

**B62D 25/145** (2013.01 - EP US)

Citation (search report)

- [DA] JP S62127861 U 19870813
- [A] DE 19715069 A1 19971030 - ATE HEIDEMANN AUTOMOBILTECHNIK [DE]
- [A] US 5584525 A 19961217 - NAKANO NOBUYUKI [JP], et al
- [A] WO 9407734 A1 19940414 - AUDI AG [DE], et al

Cited by

FR2892692A1; EP1298035A1; EP2452861A1; EP1593586A3; US7614686B2

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